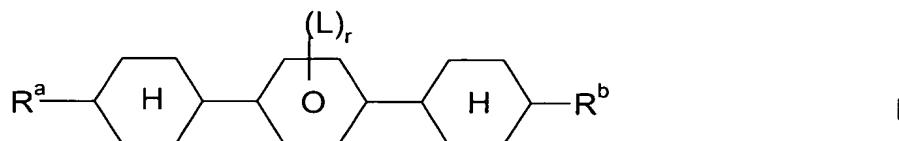


This listing of claims will replace all prior versions, and listings, of claims in the application:


Listing of Claims:

Claim 1 (original): A liquid-crystalline medium, comprising two or more liquid crystal compounds wherein at least one compound is of formula I



wherein

R^a is an alkenyl group having from 2 to 9 carbon atoms,

R^b is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, and wherein one or more CH_2 groups are each, independently of one another, optionally replaced by -O-, -S-, , -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

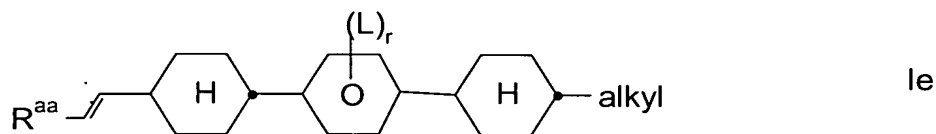
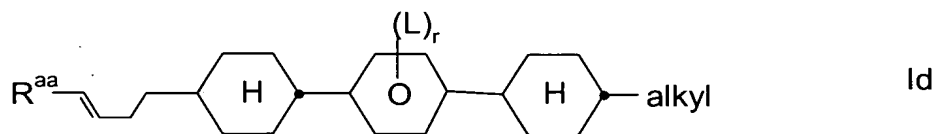
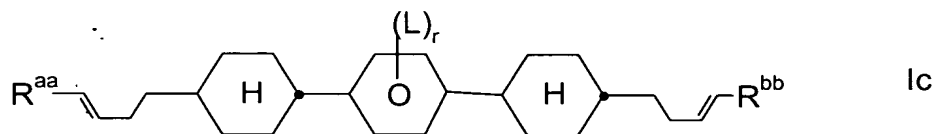
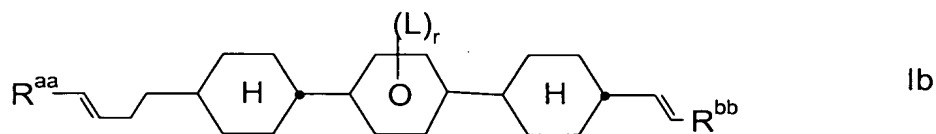
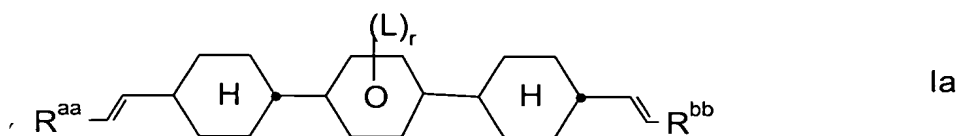
L is, in each occurrence independently, F, Cl, CN or an optionally mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

r is 0, 1, 2, 3 or 4.

Claim 2 (original): A liquid-crystalline medium according to claim 1, wherein said medium comprises at least one compound of formula I in which the phenyl ring is substituted by L in 2- and 3-position or in 3- and 5-position or in 2- and 6-position, and/or R^b is alkenyl with 2 to 9 carbon atoms.

Claim 3 (currently amended): A liquid-crystalline medium according to claim 1 or 2, wherein said medium comprises at least one compound of formula I wherein L is F, Cl, CN, CF₃, OCF₃ or OCH₃.

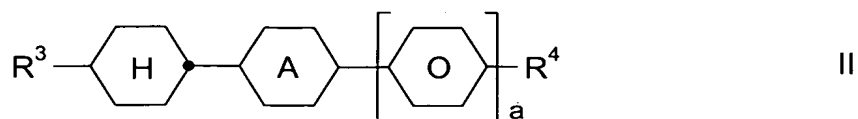
Claim 4 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 3~~ claim 1, wherein said medium comprises at least one compound of formula I selected from the following formulae



wherein R^{aa} and R^{bb} are independently of each other H, CH₃, C₂H₅ or n-C₃H₇ and alkyl is an alkyl group with 1 to 8 carbon atoms.

Claim 5 (currently amended): A liquid-crystalline medium according to at least

~~one of claims 1 to 4~~ claim 1, wherein said medium comprises at least one compound of formula II



in which

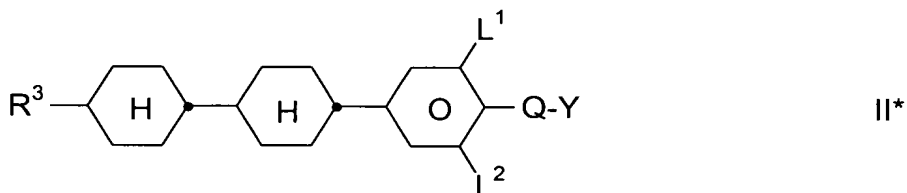
A is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

R³ is an alkenyl group having from 2 to 9 carbon atoms, and

R⁴ is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF₃ or at least monosubstituted by halogen, and wherein one or more CH₂ groups are each, independently of one another, optionally replaced by -O-, -S-, , -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another.

Claim 6 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 5~~ claim 1, wherein said medium comprises at least one compound of formula II*



wherein

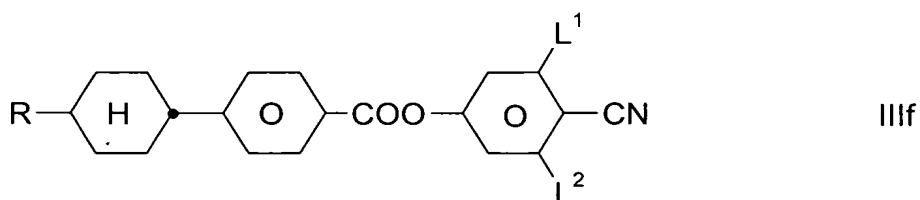
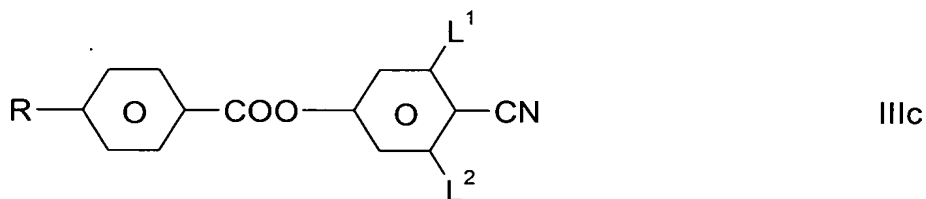
R³ is an alkenyl group with 2 to 7 carbon atoms,

Q is CF₂, OCF₂, CFH, OCFH or a single bond,

Y is F or Cl, and

L¹ and L² are independently of each other H or F.

Claim 7 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 5~~ claim 1, wherein said medium comprises at least one compound selected from the following formulae



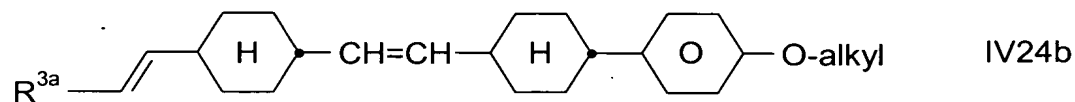
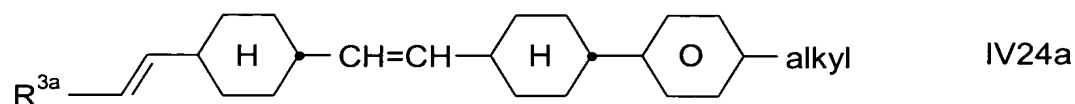
wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH₂ groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or

-COO- in such a way that O atoms are not linked directly to one another,
and

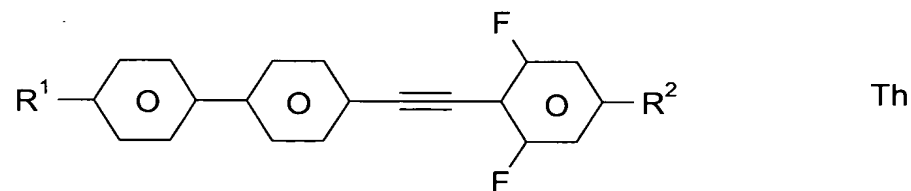
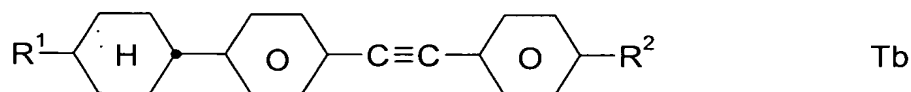
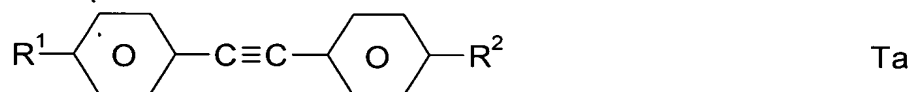
L¹ and L² are independently of each other H or F.

Claim 8 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 7~~ claim 1, wherein said medium comprises at least one compound selected from the following formulae



wherein R^{3a} is H, CH₃, C₂H₅ or n-C₃H₇ and alkyl is an alkyl group with 1 to 8 carbon atoms.

Claim 9 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 8~~ claim 1, wherein said medium comprises at least one compound selected from the following formulae

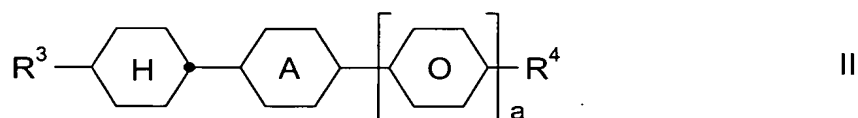


wherein

R^1 and R^2 are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH_2 groups are each, independently of one another, optionally replaced by $-\text{O}-$, $-\text{CH}=\text{CH}-$, $-\text{CO}-$, $-\text{OCO}-$ or $-\text{COO}-$ in such a way that O atoms are not linked directly to one another.

Claim 10 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 9~~ claim 1, wherein said medium comprises:

- one or more compounds of formula I;
- one or more compounds selected from formulae II,

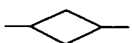


in which

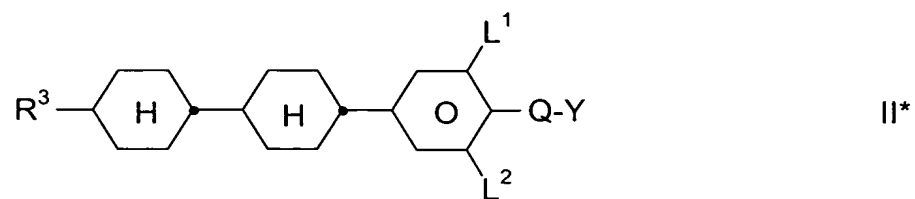
A is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

R^3 is an alkenyl group having from 2 to 9 carbon atoms, and

R^4 is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, and wherein one or more CH_2 groups are each, independently of one another, optionally replaced by $-\text{O}-$, $-\text{S}-$, , $-\text{CH}=\text{CH}-$, $-\text{C}\equiv\text{C}-$, $-\text{CO}-$, $-\text{CO}-\text{O}-$, $-\text{O}-\text{CO}-$ or $-\text{O}-\text{CO}-\text{O}-$ in such a way that O atoms are not linked directly to one another;

- optionally one or more compounds of formula II*,



wherein

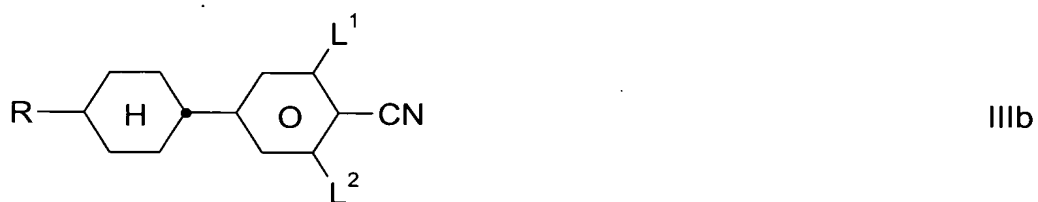
R³ is an alkenyl group with 2 to 7 carbon atoms,

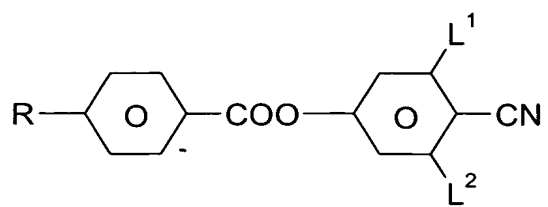
Q is CF₂, OCF₂, CFH, OCFH or a single bond,

Y is F or Cl, and

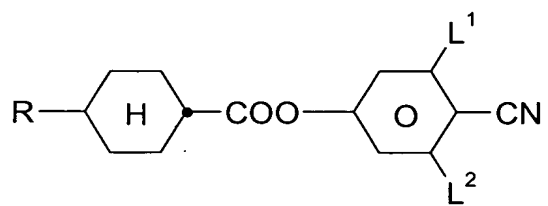
L¹ and L² are independently of each other H or F;

- one or more compounds selected from formulae IIIa-IIIh,

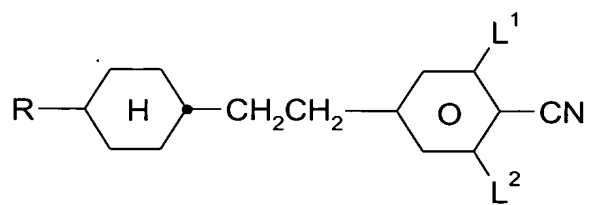




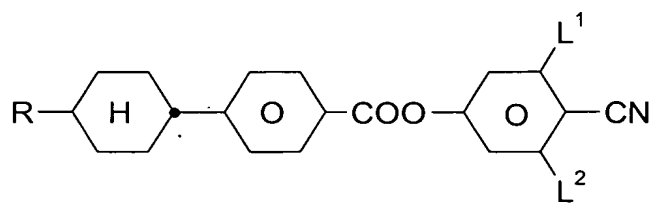
IIIc



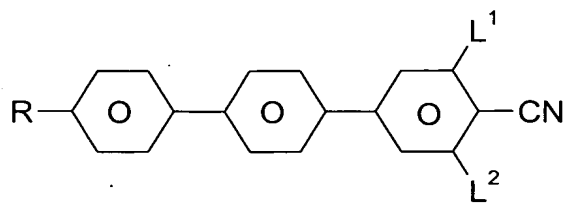
IIIId



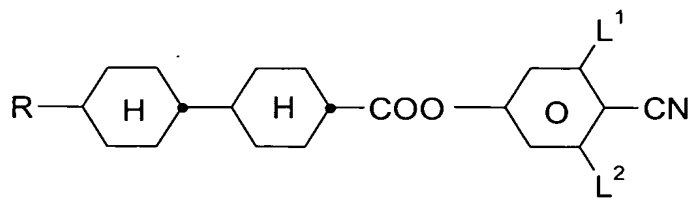
IIIe



IIIf



IIIg



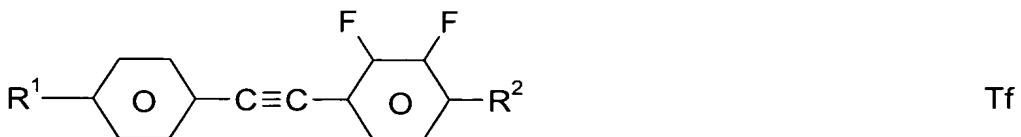
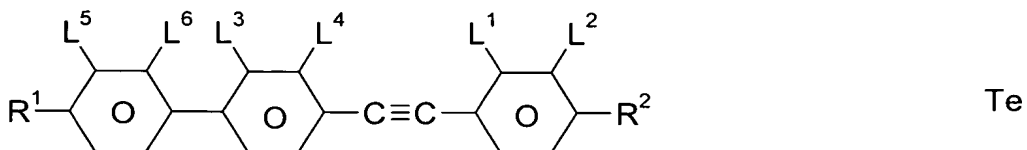
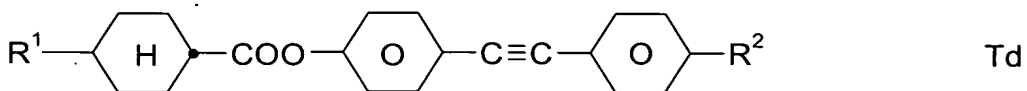
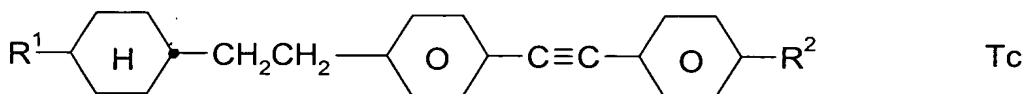
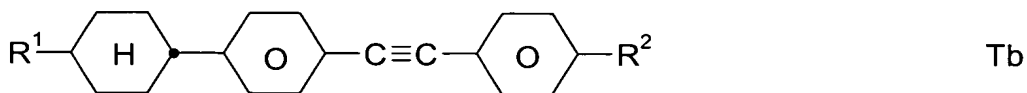
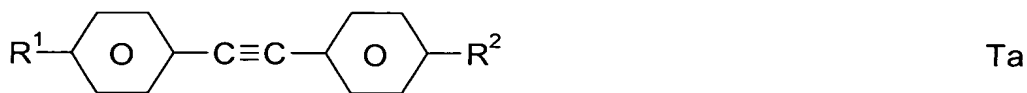
IIIh

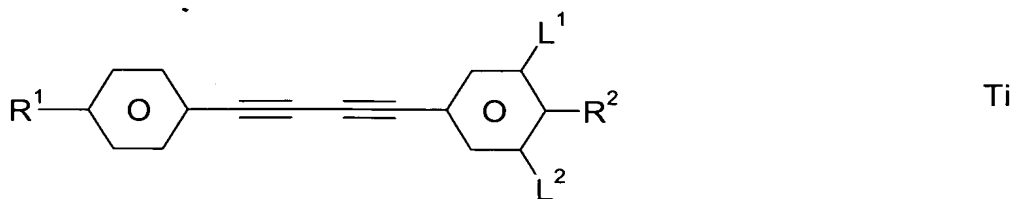
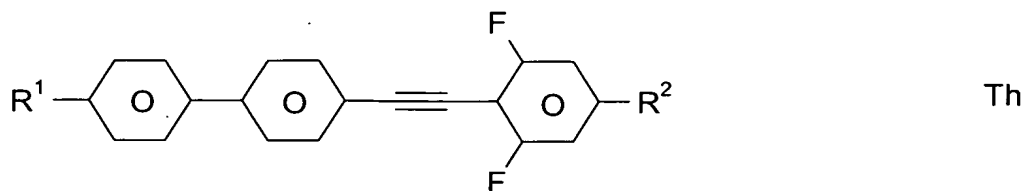
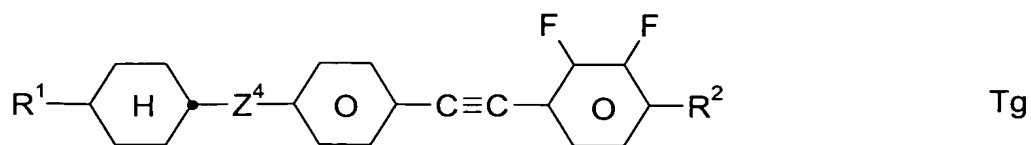
wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH₂ groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

L¹, L² and L³ are independently of each other H or F;

- one or more compounds selected of formulae Ta-Ti,





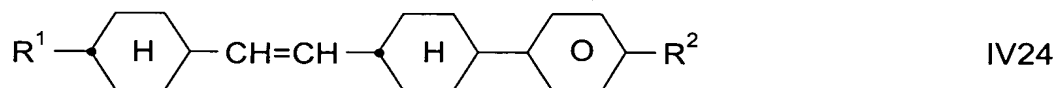
wherein

R^1 and R^2 are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH_2 groups are each, independently of one another, optionally replaced by $-O-$, $-CH=CH-$, $-CO-$, $-OCO-$ or $-COO-$ in such a way that O atoms are not linked directly to one another,

Z^4 is $-CO-O-$, $-CH_2CH_2-$ or a single bond, and

L^1 to L^6 are independently of each other H or F; and

- optionally one or more compounds of formula IV24

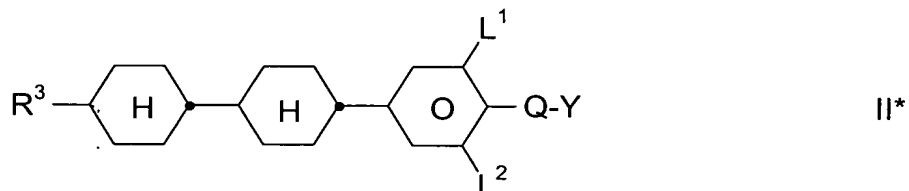
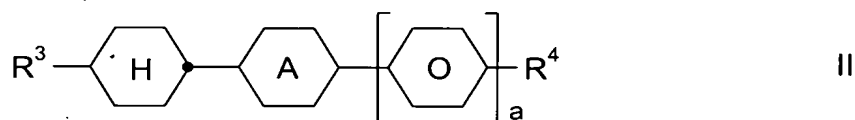


wherein

R^1 and R^2 are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH_2 groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another.

Claim 11 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 10~~ claim 1, wherein said medium comprises

- 5 to 30 % of compounds of formula I;
- 10 to 50 % of compounds selected from formula II and II*,



in which

A is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

R^3 in formula II is an alkenyl group having from 2 to 9 carbon atoms,

R^3 in formula II* is an alkenyl group with 2 to 7 carbon atoms,

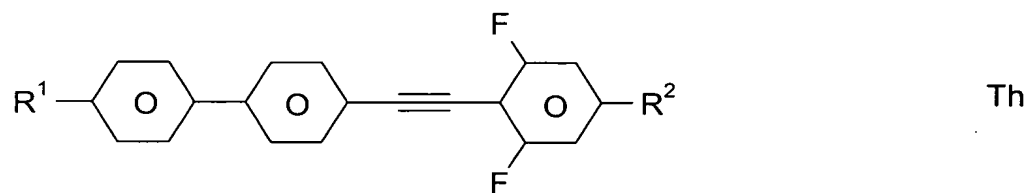
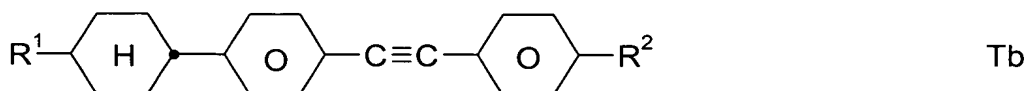
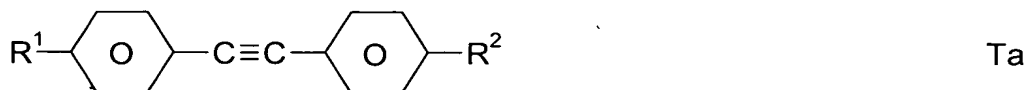
R^4 is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, and wherein one or more CH_2 groups are each, independently of one another, optionally replaced by $-O-$, $-S-$, --- (cyclobutane ring) --- , $-CH=CH-$, $-C\equiv C-$, $-CO-$, $-CO-O-$, $-O-CO-$ or $-O-CO-O-$ in such a way that O atoms are not linked directly to one another,

Q is CF_2 , OCF_2 , CFH, OCFH or a single bond,

Y is F or Cl, and

L^1 and L^2 are independently of each other H or F;

- 7 to 45 % of compounds selected formula Ta, Tb and Th,

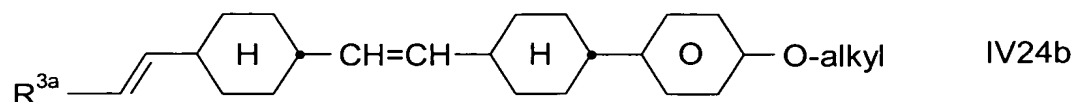
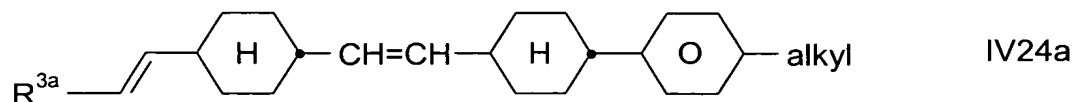


wherein

R^1 and R^2 are independently of each other an alkyl, alkoxy or alkenyl group

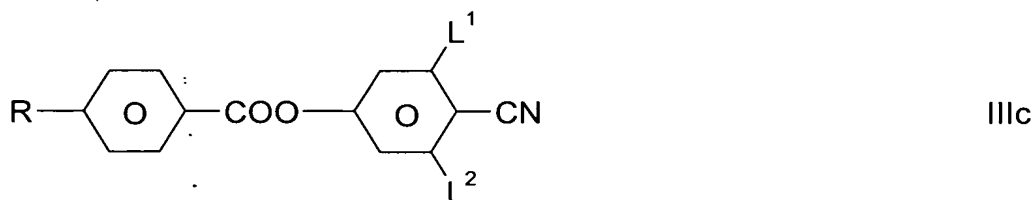
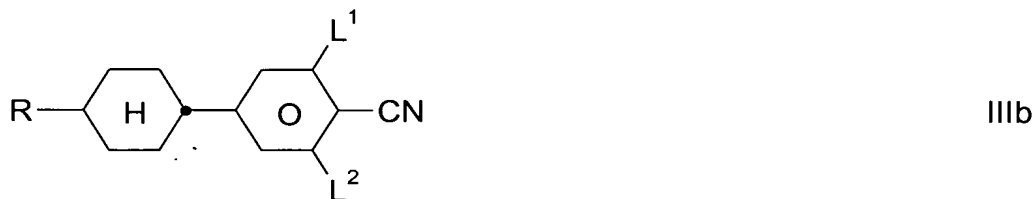
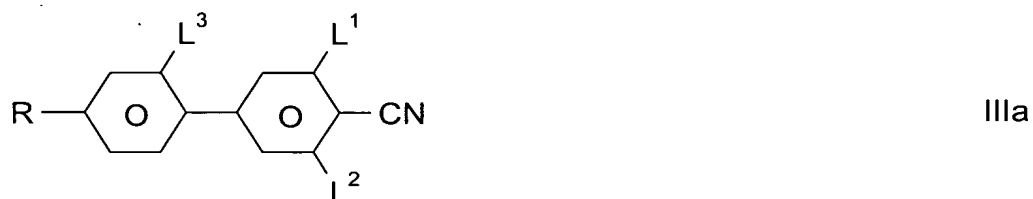
having from 1 to 12 carbon atoms, wherein one or more CH₂ groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another;

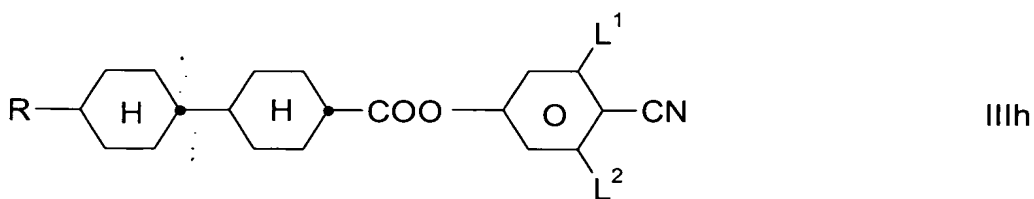
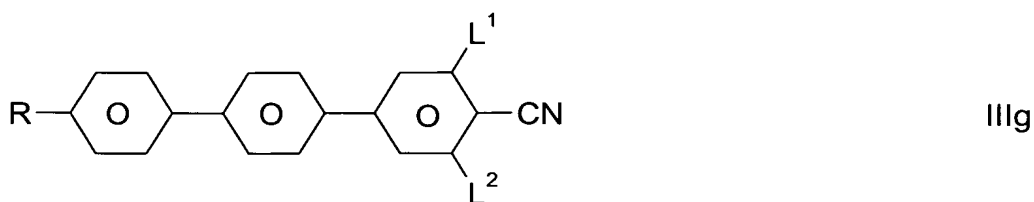
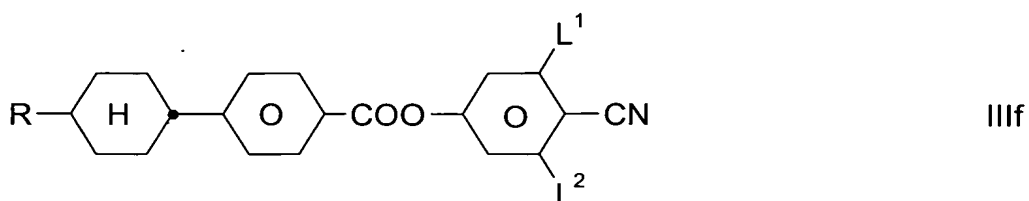
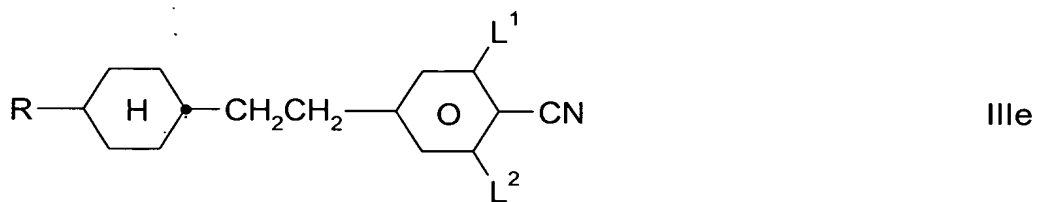
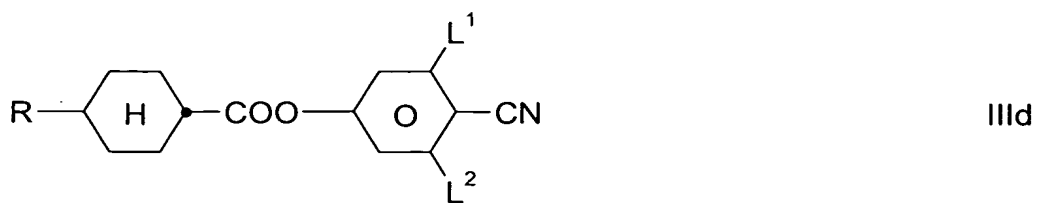
- 2 to 25 % of compounds selected from formula IV24a and IV24b,



wherein R^{3a} is H, CH₃, C₂H₅ or n-C₃H₇ and alkyl is an alkyl group with 1 to 8 carbon atoms; and

- 8 to 40 % of compounds selected from formulae IIIa to IIIh





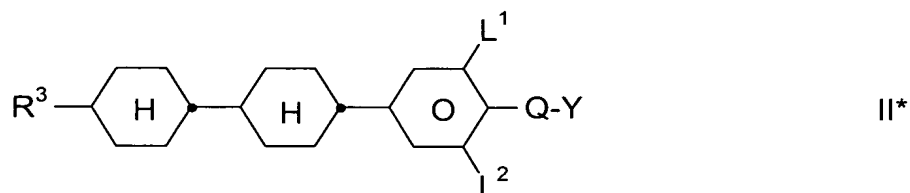
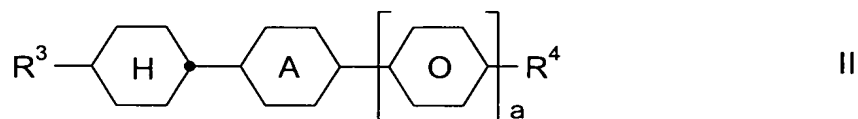
wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH₂ groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another, and

L^1 , L^2 and L^3 are independently of each other H or F.

Claim 12 (currently amended): A liquid-crystalline medium according to ~~at least one of claims 1 to 10~~ claim 1, wherein said medium comprises

- 6 to 20 % of compounds of formula I;
- 10 to 40 % of compounds selected from formula II and II*,



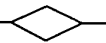
in which

A is 1,4-phenylene or trans-1,4-cyclohexylene,

a is 0 or 1,

R^3 in formula II is an alkenyl group having from 2 to 9 carbon atoms,

R^3 in formula II* is an alkenyl group with 2 to 7 carbon atoms,

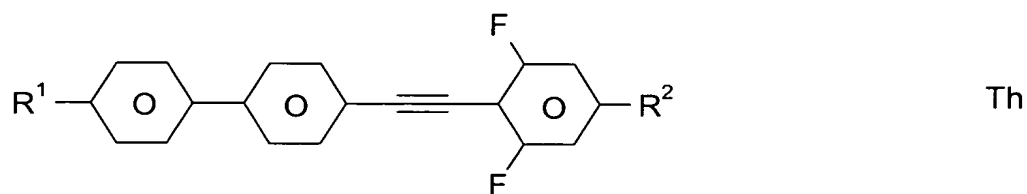
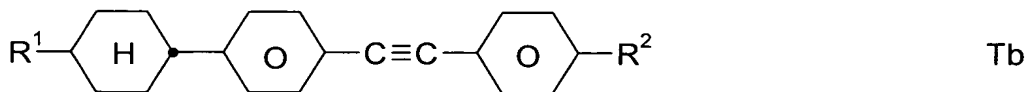
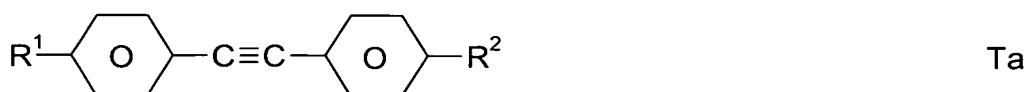
R^4 is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, and wherein one or more CH_2 groups are each, independently of one another, optionally replaced by -O-, -S-, , -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

Q is CF₂, OCF₂, CFH, OCFH or a single bond,

Y is F or Cl, and

L¹ and L² are independently of each other H or F;

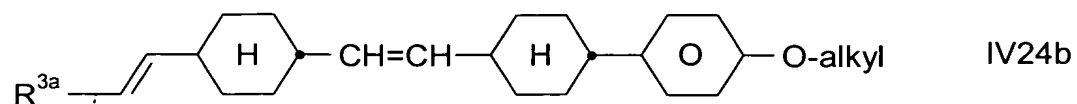
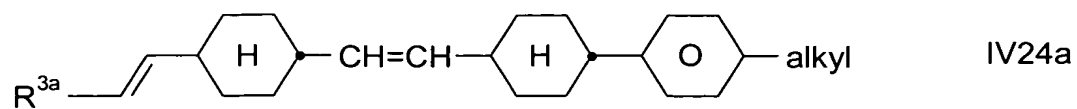
- 10 to 30 % of compounds selected formula Ta, Tb and Th,



wherein

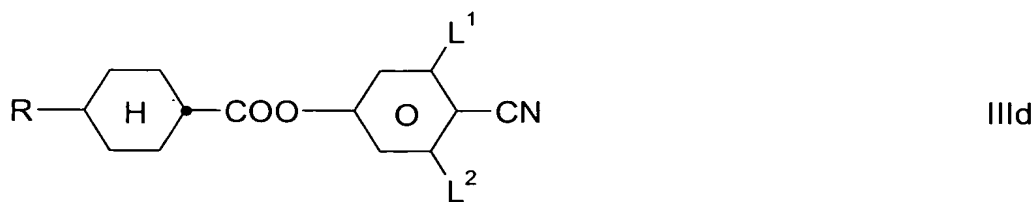
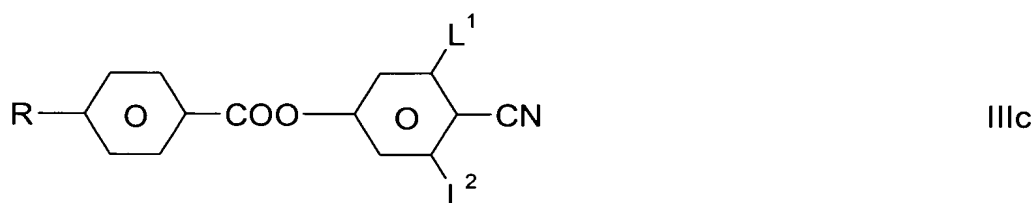
R¹ and R² are independently of each other an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH₂ groups are each, independently of one another, optionally replaced by -O-, -CH=CH-, -CO-, -OCO- or -COO- in such a way that O atoms are not linked directly to one another;

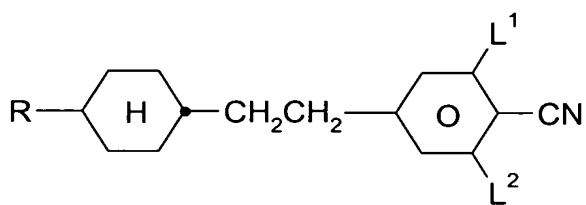
- 3 to 20 % of compounds selected from formula IV24a and IV24b,



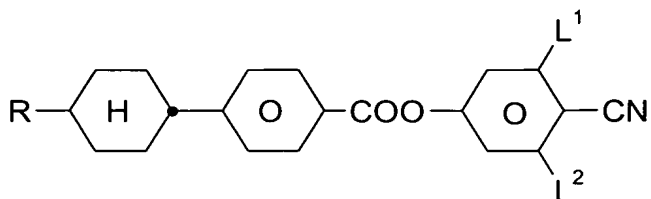
wherein R^{3a} is H, CH_3 , C_2H_5 or $n\text{-C}_3\text{H}_7$ and alkyl is an alkyl group with 1 to 8 carbon atoms; and

- 10 to 30 % of compounds selected from formulae IIIa to IIIh

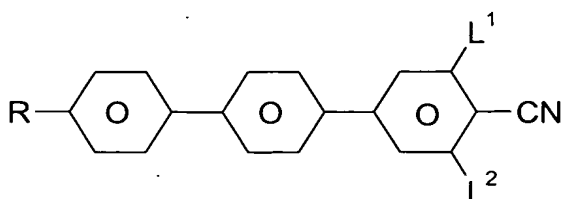




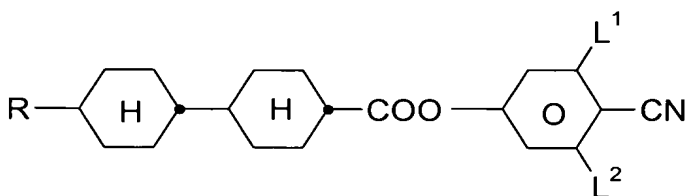
IIIe



IIIf



IIIg



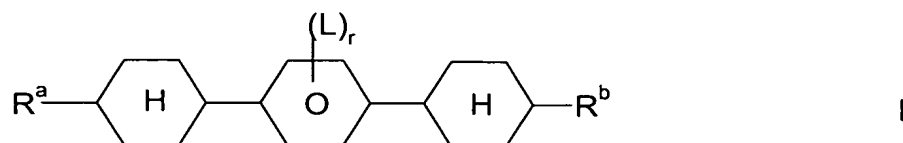
IIIh

wherein

R is an alkyl, alkoxy or alkenyl group having from 1 to 12 carbon atoms, wherein one or more CH_2 groups are each, independently of one another, optionally replaced by $-\text{O}-$, $-\text{CH}=\text{CH}-$, $-\text{CO}-$, $-\text{OCO}-$ or $-\text{COO}-$ in such a way that O atoms are not linked directly to one another, and

L^1 , L^2 and L^3 are independently of each other H or F.

Claim 13 (original): A liquid-crystalline compound of formula I



wherein

R^a is an alkenyl group having from 2 to 9 carbon atoms,

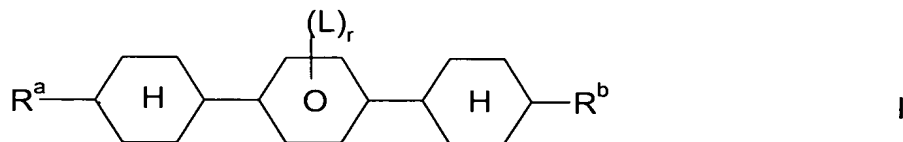
R^b is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF_3 or at least monosubstituted by halogen, and wherein one or more CH_2 groups are each, independently of one another, optionally replaced by $-O-$, $-S-$, $\text{---}\diamond\text{---}$, $-\text{CH}=\text{CH}-$, $-\text{C}\equiv\text{C}-$, $-\text{CO}-$, $-\text{CO}-\text{O}-$, $-\text{O}-\text{CO}-$ or $-\text{O}-\text{CO}-\text{O}-$ in such a way that O atoms are not linked directly to one another,

L is, in each occurrence independently, F, Cl, CN or a mono- or polyhalogenated alkyl, alkoxy, alkenyl or alkenyloxy group having up to 3 carbon atoms, and

r is 0, 1, 2, 3 or 4,

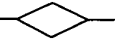
wherein the phenyl ring is substituted by L in 2- and 3-position or in 3- and 5-position or in 2- and 6-position, and/or R^b is alkenyl with 2 to 9 carbon atoms.

Claim 14 (original): A liquid-crystalline compound of formula I



wherein

R^a is an alkenyl group having from 2 to 9 carbon atoms,

R^b is an alkyl group having 1 to 12 carbon atoms which is unsubstituted, monosubstituted by CN or CF₃ or at least monosubstituted by halogen, and wherein one or more CH₂ groups are each, independently of one another, optionally replaced by -O-, -S-, , -CH=CH-, -C≡C-, -CO-, -CO-O-, -O-CO- or -O-CO-O- in such a way that O atoms are not linked directly to one another,

L is F, Cl, CN, CF₃, OCF₃ or OCH₃, and

r is 0, 1, 2, 3 or 4,

Claim 15 (currently amended): An electro-optical liquid-crystal display containing a liquid-crystalline medium according to ~~at least one of claims 1 to 12~~ claim 1.

Claim 16 (currently amended): An electro-optical liquid-crystal display containing a liquid-crystalline compound according to ~~at least one of claims 13 to 14~~ claim 13.

Claim 17 (currently amended): A TN or STN liquid-crystal display comprising:

- two outer plates, which, together with a frame, form a cell,
- a nematic liquid-crystal mixture of positive dielectric anisotropy located in the cell,
- electrode layers with alignment layers on the insides of the outer plates,
- a tilt angle between the longitudinal axis of the molecules at the surface of the outer plates and the outer plates of 0 to 30 degrees, and
- a twist angle of the liquid-crystal mixture in the cell from alignment

- layer to alignment layer with a value of 22.5° - 600° , and
- a nematic liquid-crystal mixture comprising
 - a) 15 – 75% by weight of a liquid-crystalline component A consisting of one or more compounds having a dielectric anisotropy of greater than +1.5;
 - b) 25 – 85% by weight of a liquid-crystalline component B consisting of one or more compounds having a dielectric anisotropy of between -1.5 and +1.5;
 - c) 0 – 20% by weight of a liquid-crystalline component D consisting of one or more compounds having a dielectric anisotropy of below -1.5, and
 - d) if desired, an optically active component C in such an amount that the ratio between the layer thickness and the natural pitch of the chiral nematic liquid-crystal mixture is from about 0.2 to 1.3,

wherein said nematic liquid-crystal mixture is as defined in ~~at least one of claims 1 to 12~~ claim 1.